Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/21/2017 09:24 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125346	0	1.68	125138	1.66
Blue	F	SSC	125000	123793	-1	3.47	123939	3.21
Blue	E	FITC	23795	23083	-3	2.84	1028	10.82
Blue	D	PE	29673	29161	-2	2.38	1048	10.24
Blue	B	PerCP-Cy5-5	48943	47738	-3	3.82	1370	17.77
Blue	A	PE-Cy7	44112	43625	-2	5.58	681	37.36
Red	C	APC	54273	53596	-2	2.79	3088	9.59
Red	A	APC-Cy7	54945	54153	-2	2.87	1138	11.32
Violet	B	V450	15756	15010	-5	4.11	712	9.60
Violet	A	V500	62569	61271	-3	3.88	2714	6.68

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18743	3.66	614	0	N/A	N/A	Pass
Blue	F	SSC	61010	1.87	549	3	N/A	N/A	Pass
Blue	E	FITC	112	42.36	549	-1	0.0190	236	Pass
Blue	D	PE	227	30.52	548	2	0.1503	258	Pass
Blue	B	PerCP-Cy5-5	213	47.56	638	-1	0.0092	104	Pass
Blue	A	PE-Cy7	71	128.68	695	-4	0.0106	16	Pass
Red	C	APC	363	27.83	599	-1	0.0197	56	Pass
Red	A	APC-Cy7	124	41.96	576	-8	0.0054	1864	Pass
Violet	B	V450	86	45.12	468	-4	0.0396	1864	Pass
Violet	A	V500	197	26.12	497	-2	0.0135	1085	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/21/2017 09:24 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.43	-30.95	0.94
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.34
Red	17.44	13.27 - 19.91	N/A	N/A	30.90	31.35	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 12475

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments